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MULTI-CD CONTROL HIGH POWER
CD PLAYER WITH RDS TUNER

LECTEUR DE CD DSP
HAUTE PUISSANCE COMMANDE
DE MULTI-CD AVEC TUNER RDS

OWNER'S MANUAL MODE D'EMPLOI

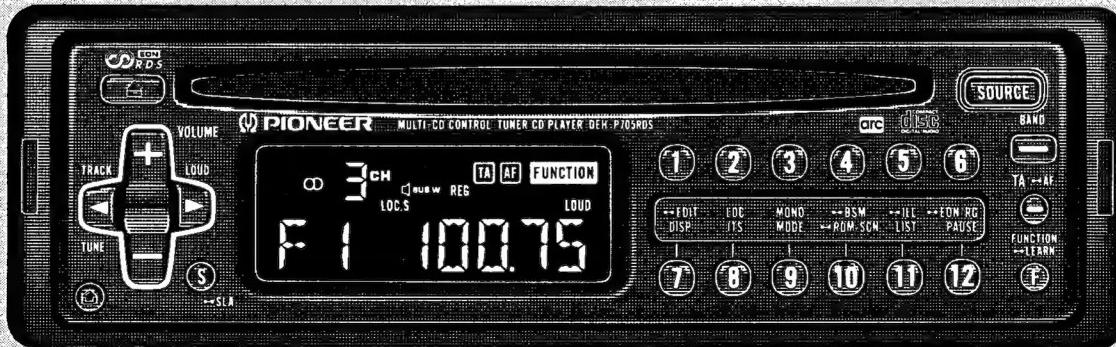
Thank you for purchasing this PIONEER product. Before attempting operation, be sure to read this manual.

Grazie per aver acquistato questo prodotto PIONEER. Leggere attentamente queste istruzioni prima di usare questa unità.

Nous vous remercions d'avoir acheté cet appareil PIONEER.
Avant de l'utiliser, prendre soin de lire ce manuel.

Vielen Dank für den Kauf dieses PIONEER Produkts. Diese Bedienungsanleitung vor der Inbetriebnahme sorgfältig durchlesen.

Dank U zeer voor de aanschaf van dit PIONEER-produkt. Lees deze gebruiksaanwijzing goed door, voordat het toestel in gebruik genomen wordt.



PIONEER®
The Art of Entertainment

ENGLISH**CONTENTS**

Parts Identification	3
Precuations	4
Using the Removable Front Panel	4
Changing the Source	5
Adjusting the Audio	6
Using the Tuner	8
Playing Compact Discs	14
Additional Functions	23
Using the Remote Control	23
Specifications	25

ITALIANO**INDICE**

Identificazione delle parti	3
Precauzione	26
Come utilizzare il pannello anteriore amovibile	26
Come cambiare la fonte	27
Come regolare la sezione audio	28
Come utilizzare il sintonizzatore	30
Riproduzione di compact disc	36
Funzioni addizionali	45
Come utilizzare il telecomando	45
Caratteristiche	47

FRANÇAIS**TABLE DES MATIERES**

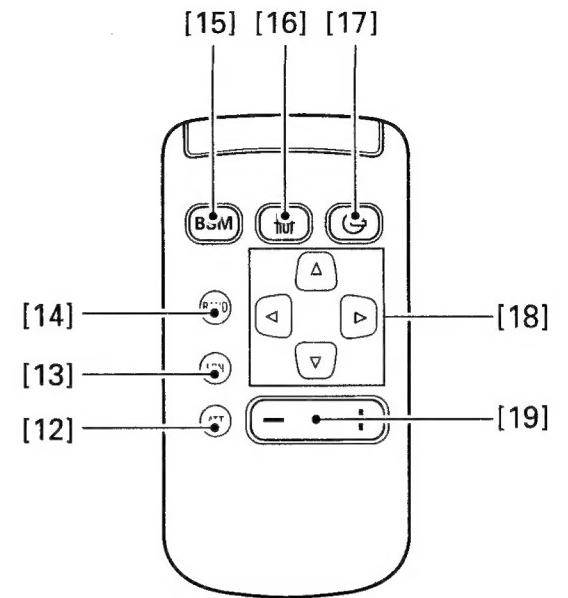
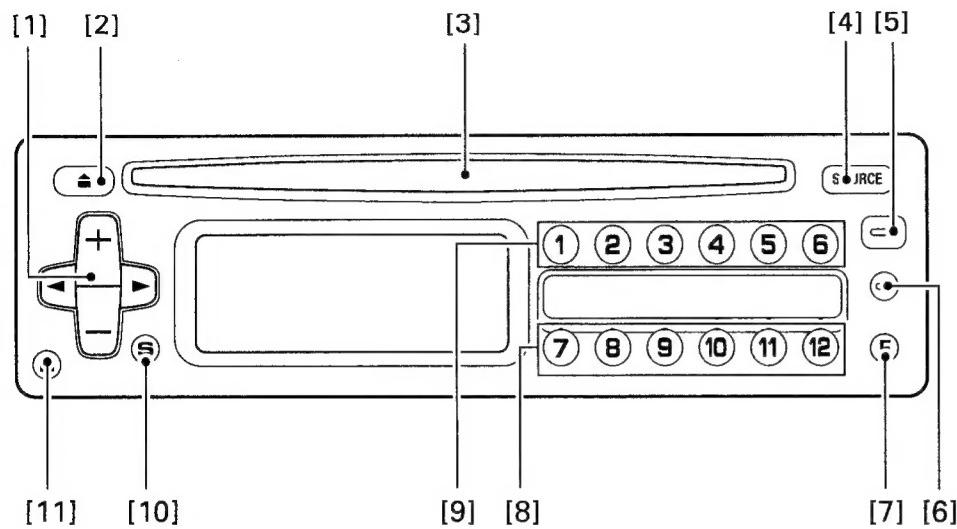
Nomenclature	3
Précautions	48
Utilisation de la façade amovible	48
Comment changer la source	49
Comment régler la section audio	50
Comment utiliser le syntonisateur	52
Reproduction des disques compact	58
Fonction supplémentaire	67
Utilisation de la télécommande	67
Spécifications	69

DEUTSCH**INHALTSVERZEICHNIS**

Bezeichnung der Teile	3
Vorsichtsmaßnahmen	70
Die abnehmbare Frontplatte	70
Umstellen der Tonquelle	71
Audioeinstellunt	72
Verwendung des Tuners	74
CD-Wiedergabe	80
Zusätzliche Funktionen	89
Verwendung der Fernbedienung	89
Technische Daten	94

NEDERLANDS**INHOUDSOPGAVE**

Benaming van de bedieningsorganen	3
Voorzorgsmaatregelen	92
Gebruik van het afneembare voorpaneel	92
Omschakelen van de bron	93
Instellen van het geluid	94
Gebruik van de tuner	96
CD-Weergave	102
Extra functies	111
Gebruik van de afstandsbediening	111
Technische gegevens	113



Precautions

Note:

- The "Pioneer CarStereo-Pass" can be used only in Germany.
- A "CLASS 1 LASER PRODUCT" label is affixed to the bottom of the player.



In case of trouble

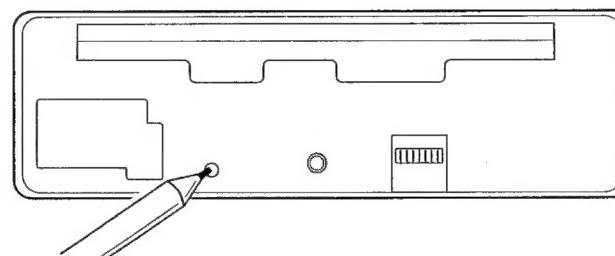
When the unit does not operate properly, contact your dealer or the nearest authorized PIONEER Service Station.

Using the Clear Button

Pressing the Clear button will reset the microprocessor. Press the Clear button in the following cases:

- When using the unit for the first time after connecting it.
- When there is a misoperation.
- When the display indicates a misoperation.

Remove the front panel and use the tip of a pen, etc., to press the Clear button. (To remove the front panel, refer to "Detaching the Front Panel".)



Using the Removable Front Panel

Parts Identification

[9] ③ Warning Beep Tone

[11] Detach

Function

To prevent theft, the front panel is detachable. Also, if the front panel is not detached within 5 seconds after the car's ignition is turned off, a warning beep tone will sound to remind you to detach the front panel.

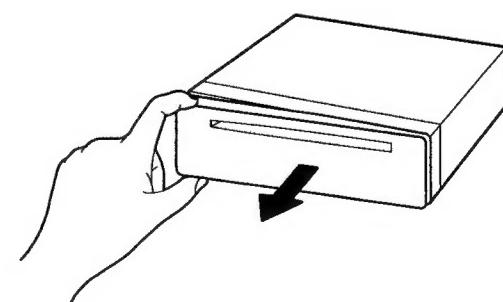
Cancelling the Warning Beep Tone

The warning beep tone function can be canceled. While pressing ③ of button [9], turn ON the ignition.

To turn ON the warning beep tone function again, repeat this operation.

Detaching the Front Panel

- *Do not detach the front panel when loading or ejecting a disc.*
1. Press button [11].
 2. Grasp the left side of the front panel and pull.

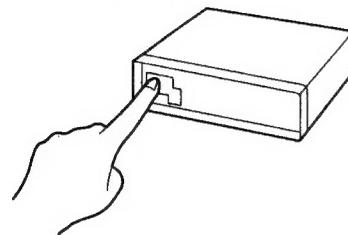


3.Put the front panel into the handy carrying case.

Attaching the Front Panel

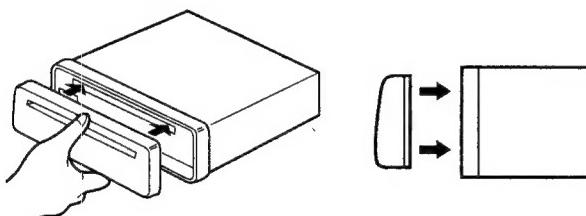
- Do not press against the display and buttons.*

1.Insert the metal fixture of the main unit until it clicks and locks.



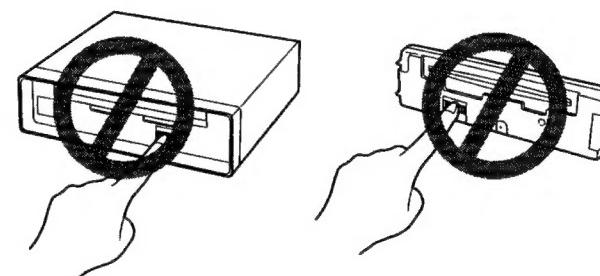
2.Press the front panel against the main unit.

- Makes sure that the front panel is parallel to the main unit.*



Precautions

- Do not hold the display tightly.*
- Do not subject the front panel to excessive shock.*
- Do not place the front panel in high temperatures or direct sunlight.*
- Do not use benzene, paint thinner, or other volatile fluids to clean the front panel.*
- Do not disassemble the front panel.*
- Do not touch the terminals on the front panel and unit. (If the terminals are dirty, use a clean dry cloth to clean.)*



Changing the Source

Parts Identification

- [4] Source
[8] ⑦ AUX ON/OFF

Changing the Source

Each time the button [4] is pressed, the source will change in the following sequence:

Built-in CD player → Tuner → Multi-play CD player → OFF

- If there is no disc in the built-in CD player, the source will not change to "built-in CD player".
- If the multi-play CD player is not connected or if there is no magazine in the multi-play CD player, the source will not change to "multi-play CD player".

When connecting other audio equipment to the IP-BUS terminal of the main unit using the separately sold conversion cord.

When listening to the audio equipment, carry out the following operations to switch to AUX mode.

- While pressing ⑦ of button [8], turn the ignition key from OFF to ON.
- Switching sources allows selection of AUX mode. Therefore, press button [4] to switch to AUX mode.
Built in CD player → Tuner → Multi-play CD player → AUX → OFF

Adjusting the Audio

Parts Identification

- [1] Volume/Audio adjustment
- [10] Shift/SLA
- [12] Attenuator
- [22] Sub woofer
- [29] Loudness

Mode Selection

Each press of button [10] changes the mode as follows:

Volume adjustment (VOL) → Balance adjustment (FAD/BAL) → Pre-fader (P-FAD) → Tone adjustment (BAS/MID/TRE) → Loudness adjustment (LOUD)

- When you're adjusting fader, balance, Pre-fader, bass, middle or treble, the indicator will stop at the center setting. About 8 seconds after adjustment, the display returns to its previous state.

Volume Adjustment

Pressing the (+) side of button [1] increases the volume, while the (-) side decreases it. (Display shows "VOL 00" ~ "VOL 30".)

- When driving your vehicle, be sure to keep the volume of the unit set low enough to allow you to hear sounds coming from outside.

Balance Adjustment

Press button [10] to select balance adjustment mode. ("FAD" appears on the display.) Adjust the fader using the (+) or (-) side of button [1]. To adjust the balance, press either the (◀) or (▶) side of button [1] to turn on BAL.

Fader

This fader controls the balance between speakers ② and speakers ③, which are shown in Figure 1.

Press the (+) side of button [1] to raise the volume of speakers ② only; press the (-) side to raise the volume of speakers ③ only.

(Display shows "FAD F9" ~ "FAD R9".)

- Please set "FAD 0" when using 2 speaker system.

Note:

This unit has a fader that controls the balance between speakers ② and ③, shown in Figure 1, using button [1], and a prefader that controls the balance between speakers ①, ②, ③ and speakers ④.

Balance

Pressing the (◀) side of button [1] shifts the balance to the left speaker, while the (▶) side shifts it to the right speaker.

(Display shows "BAL L9" ~ "BAL R9".)

Pre-Fader Adjustment

The pre-fader function of this unit controls the balance between speakers ①, ②, ③ and speaker ④, which are shown in Figure 1.

Press button [10] to select pre-fader adjustment mode. Each press of the (+) side of button [1] gradually shifts the sound to speakers ①, ② and ③. Each press of the (-) side shifts the sound to speaker ④. (Display shows "P-FAD +9" ~ "P-FAD -9".)

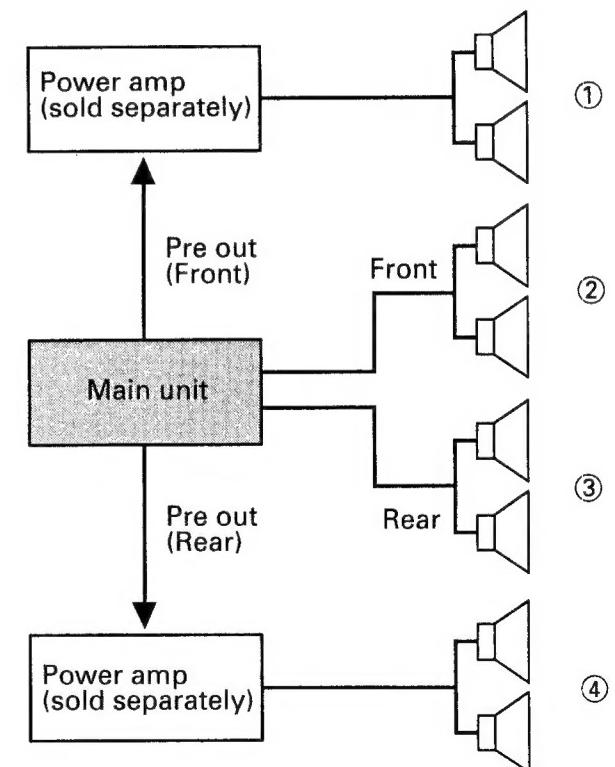


Fig. 1

Tone Adjustment

Press button [10] to select tone adjustment mode. ("BAS" appears.) Select the tone you wish to adjust using the (◀) or (▶) side of button [1]. Each press of the (▶) side changes the tone from BAS → MID → TRE, while each press of the (◀) side changes the tone from TRE → MID → BAS.

Bass Adjustment

Select the Bass mode.

Pressing the (+) side of button [1] increases bass, while the (-) side decreases bass. (Display shows "BAS -6" ~ "BAS +6".)

Middle Adjustment

Select Middle adjustment mode.

Pressing the (+) side of button [1] increases middle, while the (-) side decreases middle. (Display shows "MID -6" ~ "MID +6".)

Treble Adjustment

Select Treble adjustment mode.

Pressing the (+) side of button [1] increases treble, while the (-) side decreases treble. (Display shows "TRE -6" ~ "TRE +6".)

Loudness Adjustment

This "loudness" function enhances both the high and low ranges of sound to give even more power to output even at low volume.

Press button [10] to select loudness adjustment mode. (The "LOUD" indicator appears on the display.)

Pressing the (▶) side of button [1] turns the loudness function on (LOUD [29] light up); pressing the (◀) side turns it off.

Using the Sub-woofer

This unit's pre-out output (Rear) terminals can also be used as sub-woofer output terminals. When using these terminals as sub-woofer output terminals, carry out the following operations.

- When the sub-woofer function is used, the Pre Fader function does not work. When button [10] in the previous item is pressed, the display moves to the next step in the sequence: VOL → FAD/BAL → 80 HZ (Sub-woofer) → BAS/MID/TRE → LOUD. (In other words, the Sub-woofer display replaces the Pre Fader display.)

Using the sub-woofer function

- 1.Press button [10] repeatedly to switch to the Pre Fader display ("P-FAD+9" — "P-FAD-9").
- 2.When you hold down button [10] for at least 2 seconds, "SUB. W" [22] lights up and the sub-woofer function comes on. The display switches to the sub-woofer display for about 8 seconds (displaying the frequency and output level "80HZ 0").
- 3.To end the sub-woofer function, press button [10] repeatedly to switch to the sub-woofer display. Holding down button [10] for at least 2 seconds while the sub-woofer is being displayed ends the sub-woofer function.

Frequency and output level adjustment

- 1.Press the button [10] repeatedly to switch to the sub-woofer display. (For about 8 seconds, the display shows the frequency and output level "80HZ 0").
- 2.While the sub-woofer display is shown, adjust the frequency and output level. Pressing the (◀) or (▶) side of button [1] raises or lowers the frequency. Pressing the (+) or (-) side of button [1] raises or lowers the output level. The frequency can be set to 50 Hz, 80 Hz, or 120 Hz. The output level can be set within the range from -6 to 6.

Using the Source Level Adjuster (SLA)

This is to adjust the difference in volume when the source is changed to built-in CD player, multi-play CD player, FM, or MW/LW.

- Since the FM volume will be the standard volume, it cannot be adjusted.
1. Check the FM volume.
 2. Switch to the source whose volume is to be adjusted. Check the source's difference in volume with the FM volume.
 3. Set to SLA mode.
Press button [10] for at least 2 seconds.
(The current level of "V 0" will be displayed.)
 - The SLA mode will be canceled after 8 seconds.
 4. Adjust the difference in volume.
Press the (+) or (-) sides of button [1].

Attenuator

The volume will be reduced to about 1/10.
Press button [12]. ("ATT 12" will blink.)
To cancel, press the button again.

Using the Tuner

Parts Identification

- [1] Tuning Seek/Manual Local Seek Sensitivity
- [4] Source
- [5] Band
- [6] AF/TA
- [7] Function
- [8] Preset
- [8] ⑧ Local mode
⑨ FM Monaural
⑩ BSM/Preset Scan
⑫ REG/EON
- [9] Preset
- [20] FM Stereo
- [21] Preset Number
- [23] EON
- [24] REG
- [25] TP
- [26] TA
- [27] AF
- [28] Function
- [30] Frequency
- [31] FM Monaural
- [32] Manual
- [33] Local mode
- [34] Band

Electronic Tuner

Frequency allocation differs depending upon the area. This unit has been designed in accordance with the frequency allocations for Western Europe, Asia, the Middle and Near East, Africa, Australia and Oceania. Use in other areas may result in improper reception of AM. The RDS function does not work in regions with no RDS broadcast services.

Listening to the Radio

1. Set the source to "tuner" by pressing button [4].
 - For details, refer to "Changing the Source" on page 5.
2. Select the band by pressing button [5].
Each time the button is pressed, the band will change in the following sequence:
FM1 → FM2 → MW/LW
 - MW and LW are combined in one band.
3. Use seek tuning or manual tuning to tune to a radio station.
 - 3-1. Set the tuning mode to "seek" or "manual" by pressing the (◀) and (▶) sides of button [1] simultaneously.
Repeat this operation to switch to the other tuning mode. (When the manual tuning mode is set, "MANU" [32] will be displayed.)

3-2. Tune by Press (◀) or (▶) of button [1].
(When there is a stereo broadcast,
“○” [20] will be displayed.)

Seek Tuning:

When the button is pressed, stations whose signal strength is above a certain level will be tuned automatically.

Manual Tuning:

When the button is pressed, the frequency will change by one step up or down.

Switching functions

Button [8] has two functions. It switches FM monaural, BSM, etc. ON and OFF, and it also serves as the preset button for the FM 1 band. Press button [7] to switch the function as desired.

Function ON:

[28] lights up on the display. Button [7] lights up in yellow.

- Leave the function ON when using button [8] for FM monaural, BSM, etc.

Function OFF:

[28] on the display switches off. Button [7] lights up in red.

- Leave the function OFF when using button [8] as the preset button for the FM 1 band.

Using the Preset Memory

The radio stations can be stored in memory under buttons 1 to 6 of [9].

- FM 1 bands can be stored in the memory of button [8] (7 to 12). Leave the function OFF when storing memory into button [8].

- 1.Tune in to the station to be stored in memory.
- 2.Store the station in memory by pressing one of the buttons (1 to 6) for at least 2 seconds. When the [21] number stops blinking and there is a beep, the station will be stored in memory under the button pressed.
 - Up to 18 FM stations (12 stations on FM 1 and 6 stations on FM 2) and 6 MW/LW stations can be stored in memory.

Preset Tuning

The radio stations stored in memory can be recalled by pressing the respective button 1 to 6 of [9]. The station stored under that button will be recalled. (The number of the button pressed will be displayed at [21].)

- The FM1 band can recall broadcast stations stored in the memory of button [8].

Note:

Leave the Function ON when using button [8] in the following operations.

Using the Best Stations Memory (BSM)

The radio stations having a strong signal can be tuned automatically and stored in memory under buttons 1 to 6 [9]. Press ⑩ of button [8] for at least 2 seconds. (The “BSM” will blink.) After “BSM” stops blinking, the stations will be stored in memory under buttons 1 to 6 of [9].

- The FM 1 band can also be stored in the memory of button [8].
- BSM can be canceled mid-operation by pressing ⑩ of button [8].
- The stations will be stored under buttons 1 to 6 in the order of their signal strength. The strongest station will be stored under button 1, followed by stations with lower signal strengths.
- If there are fewer than 6 stations whose signal is strong, there will be spare memory.
- It will take almost 30 seconds for BSM to be completed.

Preset Scan Tuning

This recalls in sequence all the stations stored in memory under the buttons [9] for 8 seconds each. Press ⑩ of button [8]. (The [21] number will blink.) To cancel, press the button again. After the desired station is tuned, cancel the preset scan tuning. The station will then continue to be received.

- Stations stored in memory under the buttons [9] but whose signal is weak will not be recalled.
- The FM 1 band can recall broadcasting stations stored in the memory of button [8].

Local Seek Tuning

When the local mode is set, the seek tuning's sensitivity level will become high and only stations with a strong signal will be seek tuned. The local mode's seek sensitivity can be adjusted.

Setting the Local Mode

Press ⑧ of button [8]. (The "LOC.S" [33] will light.) To cancel the local mode, press the button again.

Adjusting the Local Seek Sensitivity

There are 4 local seek sensitivity steps for FM and 2 steps for MW/LW.

- LOC-4 is the highest seek tuning sensitivity level. Only the stations with a strong signal are tuned. LOC-3, LOC-2, and LOC-1 in descending order enables the tuning of stations with a respectively weaker signal.

1. Set to local seek sensitivity adjustment mode. Press ⑧ of button [8] for at least 2 seconds. (The current sensitivity level "LOC-2" will be displayed.)
 - The local seek sensitivity adjustment mode will be canceled after about 5 seconds.
2. Adjust the sensitivity level by pressing (◀) or (▶) of button [1].

FM Monaural Reception

If a stereo broadcast has a lot of noise, switching to the monaural reception mode will reduce the noise. Press ⑨ of button [8]. ("MONO" [31] will appear on the display.) To cancel, press the button again.

Using the RDS Function

What is RDS?

RDS (Radio Data System) according to a CENELEC EN50067 is a system for transmitting data signals from FM broadcast transmitter along with the normal sound program. These data signals, which are imperceptible to listeners, are intended to aid radio listeners in tuning their receivers to a desired station. RDS receivers can decode these data signals for display or control purposes.

RDS digital signal includes various data, such as PI, PS, AF, TP, TA and EON.

PI Program Identification Code

PS Program Service Name

AF List of Alternative Frequencies

TP Traffic Program Identification Code (Similar to SK signal of ARI system)

TA Traffic Announcement Code (Similar to DK signal of ARI system)

EON Enhanced Other Network Information Code.(In some countries. EON is not offered by broadcasters.)

RDS Function of this Unit

This unit has the following functions for making use of RDS data.

- PS, the name of the currently listened station is displayed.
- AF (Alternative Frequency) function. This enables the receiver to automatically retune to more suitable frequencies transmitting the same program.
- TP/TA, EON, user selectable reception of the traffic information service, offered by RDS.

Network/Station Name Display

Switch the tuner on and choose one of the three FM bands.

When you tune into an RDS station with manual or seek tuning, the frequency display changes to the network/station name display after a few seconds by means of the PS code.

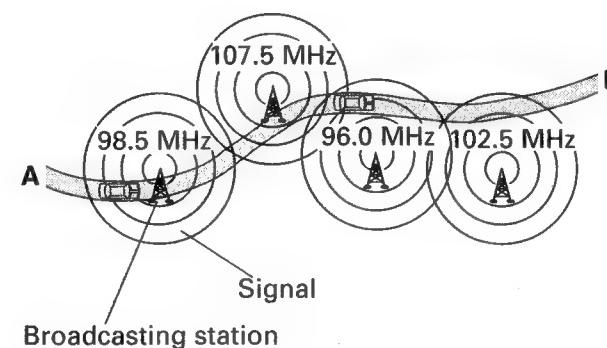
- The RDS functions of this unit use RDS codes transmitted along with FM broadcasts. RDS doesn't work on the MW or LW bands.
- The RDS functions may not work properly in areas where the RDS transmissions are at an experimental stage or where there are flaws in the broadcasting system.
- When switching to frequency display, press ⑦ of button [8]. The frequency will only be indicated when the button is pressed.

AF Function

This receiver retunes automatically to a more suitable transmitter, contained in the list of Alternative Frequencies (AF), to enable the motorist to keep listening to programs in the same network.

Example:

If a motorist travels as shown below, from point A to point B, (and has selected AF function) then the receiver will automatically retune to a more suitable frequency transmitting the same program. This is shown by the automatic retuning from 98.5 MHz to 107.5 MHz to 96.0 MHz to 102.5 MHz.



To activate the Alternative Frequency Function, hold down button [6] for at least 2 seconds, "AF" [27] will appear on the display. Once tuned to a RDS station, as long as you drive within an area served by the same network, the receiver will automatically retune to a more suitable station transmitting the same program, by utilizing the data in the AF list.

- **"PI SEEK"** will appear on the display, if the AF function has been selected, and a suitable AF station cannot be found. In this case, the receiver will mute the radio sound and search the frequency band, in order to find a station with the same PI code. The receiver will return to the original frequency if the same or related PI code can not be found.
- **The AF function will not work in the following cases:**
 - when the receiver is tuned to a non-RDS station. (local station)
 - when the RDS station does not transmit any AF list data.
 - when the receiver can not receive the AF list due to disturbances.

When the receiver is unable to find a PI code the "AF" [27] indicator will flash on the display.

Thus indicating that the AF function cannot be performed.

Preset recall

- When recalling preset stations in the AF mode, the tuner will be tuned to the stored frequency and the AF function will be operative i.e. when the signal of the recalled station is weak or has a different PI, the radio will look into the AF list and if necessary start a PI-seek in order to find a station with the same or related PI code. When the tuner is performing a PI seek "**PI SEEK**" is shown on the display. If the PI seek is successful, the tuner will be tuned to the new frequency that transmits the same programme service (i.e. with the same PI code) and the display will show the stored PS. If the PI seek is not successful, the tuner will return to the stored frequency. If a new station (with a different PI code) would be received on this frequency, this station will become audible. The display will show the frequency instead of PS.
- When recalling preset stations in the AF=OFF mode, the tuner will be tuned to the stored frequency and the display will show the stored PS. In case the tuned station has a PI code that is different from the stored one, the tuner will accept the new PI code and stay tuned to the initial frequency. The display will show the new PS when the signal of the tuned station is strong enough.

Listening to Regional Stations

In some countries a particular programme service may "opt out" during a certain part of the day in several regional variants at particular locations. Since these regional variants are broadcasting a different programme they temporally have a PI and a PS that is different from the main programme service. The PI's are mostly "generically linked". The AF list may either be common for all regional variants or each regional variant may have its own AF list. In other countries there may be regional stations which are not an "opt out" of a particular main programme service but which have an independent existence. These regional stations all have a different PS. Their PI's may be "generically linked" and their AF lists may carry frequencies which are alternatives for that regional station only.

1) Regional OFF Mode

In the default condition, with the AF button [6] switched ON, the receiver is in the REG OFF mode. In this case the receiver will switch automatically to regional variants of the tuned programme service along the journey. This is of benefit when the regional variants just carry the same programme, but will become annoying if the receiver switches back and forth between different programmes. In this case it is recommended to put the receiver in the REG ON mode.

2) Regional ON Mode

When the radio is put in the REG ON mode, the radio will remain tuned to a specific regional variant as long as it is available. To put the radio in the REG ON mode, press ⑫ of button [8]. "**REG**" [24] will appear on the display.

To cancel the REG ON mode i.e. to put the radio back in the default REG OFF mode, press ⑫ of button [8]. "**REG**" [24] will disappear from the display.

Traffic Information Reception

TP and EON-TP function

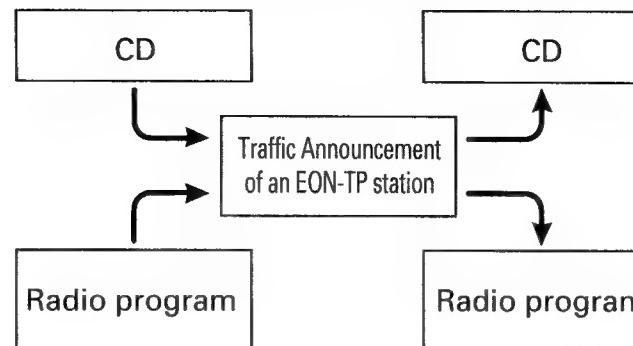
When a traffic information station (TP station) is selected, "TP" [25] lights on the display, thus indicating traffic report can be received through this station. The "EON TP" [23] indicator will light on the display when a selected station (this network) is broadcasting EON information which cross-references at least one program service which carries traffic information, thus indicating traffic report can be received through another program service by using the EON function of this unit.

In both cases, by briefly pressing button TA [6], Traffic report waiting status will be entered. However, if you wish not to interrupt your radio program (eg: classical music program) by traffic report, the EON function of this unit can be set to OFF. Pressing ⑫ of button [8] for more than 2 seconds, changes the status of the EON function, EON-ON ⇔ EON-OFF.

This indication is shown on the display for approximately 3 seconds.

If only the "EON TP" [23] indicator is on but the EON function of this unit is OFF, it is not possible to receive traffic report through another program service. In this case, "TA" [26] (if traffic report waiting status is set to ON) will flash on the display to indicate this situation.

Traffic information reception by EON-TP.



Traffic Announcement Volume Adjustment

- The volume level for traffic information broadcasting is temporarily stored in memory. The next time you listen to traffic information, the previous volume level is used. If the volume level you receive is lower than the previous setting, the volume is not reduced, but set to VOL 15.

TA Reception during CD play

- If the radio is already set to the FM band and tuned to a TP or EON-TP station, even when listening to the CD player, when the button [6] is pushed ("TA" [26] is shown on the display), traffic report waiting will begin. When a traffic report begins, the system will switch from CD to the traffic report.

BSA function

- While button [6] is on, ("TA" [26] is shown on the display) and AF is off, and you are listening to CD player, should the TP station become weak, the radio will start BSA (Best TP Station Auto Search) 10 seconds after "TP" [25] disappears from the display. The tuner will automatically tune to the strongest TP station in the area, and will stand by for a traffic bulletin. BSA does not work when the AF function is selected, so hold button [6] down for more than 2 seconds to turn the AF function off.

TP Alarm Function

- In AF mode, about 30 seconds after "TP" [25] disappears from the display, which occurs if the signal from the TP station becomes weak, an alarm sounds for 10 seconds to tell you to tune to another TP stations.

Tuning Functions on each RDS modes

Tuning Mode	AF Mode	TA Mode & AF plus TA Mode
Seek Tuning will stop to find,	RDS Stations	TP or EON-TP Station
BSM will select and memorize in presets,	RDS Stations	TP Stations

Non-RDS station such as those using the Swedish MBS system may be tuned in as RDS station, but this is due to both systems using the same 57 kHz subcarrier frequency and is not a malfunction of the unit.

Tuning Steps

The tuning step is normally 50 kHz during seek tuning on an FM band. However this tuning step changes to 100 kHz when the set is in AF or TP mode. In some countries it may be desired to set a tuning step of 50 kHz in AF mode by holding down the ① of button [9] while turning the ignition key from OFF to ON.

- During manual tuning, the step does not change; it remains fixed at 50 kHz.
- The tuning step will return to 100kHz if the batteries supply is temporarily disconnected or the clear button is pressed.
- In AF mode, only those stations being broadcast at 100 kHz steps are subject to AF reception (CENELEC STANDARD).

Playing Compact Discs

The unit can control the built-in CD player as well as a multi-play CD player sold separately.

Parts Identification

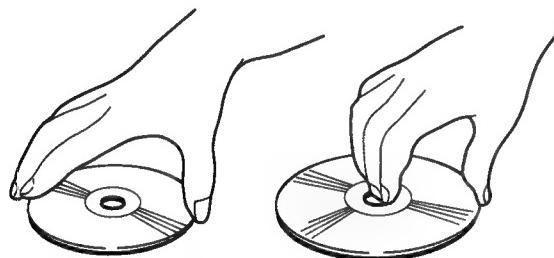
- [1] Track Number Search
Fast Forward and Reverse
- [2] Eject
- [3] Disc Insertion Slot
- [4] Source
- [7] Function
- [8] Disc Number Search
- [8] ⑦ Switching display
 - ⑧ ITS (Instant track selector)
 - ⑨ Switching playback mode
 - ⑩ Scan/Random play
 - ⑪ Title list
 - ⑫ Pause
- [9] Disc Number Search
- [35] Multi CD player number
- [36] Disc number
- [37] Manual
- [38] Multi-play CD repeat
- [39] Disc repeat
- [40] Function
- [41] Playback time
- [42] Track number

Discs

- Only use compact discs (optical digital audio discs) bearing the mark shown below.*

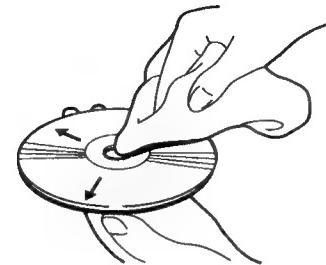


- Do not use cracked, scratched, or warped discs.*
- Do not touch the disc's playing side. Handle the disc as shown below.*



- Do not affix any label on the disc.*
- Do not apply any vinyl record spray, anti-static agent, benzene, paint thinner, or any other volatile chemicals.*

- Do not play a dirty disc. Use a soft cloth to clean a dirty disc as shown below. Wipe the disc outward from the center.*



- Do not place the disc in high temperatures and direct sunlight.*
- Be sure to store the disc in its case.*

CD Playing Environment

- Disc playback may be interrupted by sudden road shock.
- When the air temperature is low and the car heater is turned on, condensation on the disc and internal parts of the unit may prevent proper playback operation. If this happens, turn off the unit and wait one hour until the condensation is gone. Also, use a soft cloth to wipe off any condensation from the disc.

Listening to the Built-in CD Player

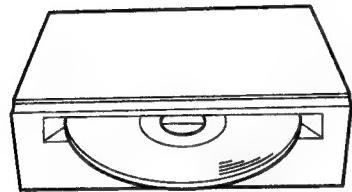
- With the label side up, insert a disc into [3]. Playback will start. (The track number [42] and playback time [41] will be displayed.)

- Do not insert the disc with the label side down. Doing so may scratch the disc.*
- If the disc stops midway while it is being inserted or if there is no playback after a disc is inserted, something may be wrong with the disc. Eject the disc and check it.*

- Turn ON/OFF the disc playback. Press button [4] to change the source.
 - For details, refer to "Changing the Source".*

3.Eject the disc by pressing button [2].

- *Do not leave the disc halfway into the unit as shown below. Doing so may cause the disc to be bent or dropped.*



Listening to the Multi-Play CD

Player

1. Set the source to "multi-play CD player" by pressing button [4]. (The magazine number [35], disc number [36], track number [42], and playback time [41] will be displayed.)
 - For details, refer to "Changing the Source".
 - After a magazine is inserted into the multi-play CD player, it will take several seconds for disc playback to start. ("READY" appears.) It is because the multi-play CD player will check the discs.
2. Press button [4] to turn OFF when stopping disc playback.

Switching functions

Button [8] has two functions. It switches ITS, random replay, etc. ON and OFF and it also serves as the disc number search. Press button [7] to switch the function as desired.

Function ON:

[40] light up on the display. Button [7] lights up in yellow.

- Leave the function ON when using button [8] for ITS random playback, etc.

Function OFF:

[40] on the display switches off. Button [7] lights up in red.

- Leave the function OFF when using button [8] for disc number search.

Switching the multi CD player

A maximum of 4 multi CD players can be connected to this unit.

Press button [5] to choose the desired CD player. The number of the CD player is indicated in [35] on the display.

Disc number search

Select the disc using buttons [8] and [9]. The disc number is indicated in [36] on the display.

- Leave the function OFF when selecting a disc using button [8].

Note:
Leave the function ON when using button [8] for the following operations.

Using Track Number Search, Fast Forward and Reverse

1. Set the mode to "track number search" or "fast forward and reverse".

Press the (\blacktriangleleft) and (\triangleright) sides of button [1] simultaneously. Each time this is repeated, the mode will switch between the track number search mode and fast forward and reverse mode. (When the fast forward and reverse mode is set, "MANU" [37] will light.)

2. Execute a track number search or fast forward and reverse by pressing (\blacktriangleleft) and (\triangleright) of button [1].

- Playback sound can be heard during fast forward and reverse.

Pausing

The disc playback can be stopped temporarily by pressing ⑫ of button [8]. (The "PAUSE" will be displayed.) To cancel the pause, press the button again.

Repeat

You can select one of the play modes (repeat modes) listed below.

Play mode (repeat mode)	Operation
One-Track Repeat	Play the current track repeatedly. <ul style="list-style-type: none"> • When you perform track number search or fast forward or rewind, the mode changes to disc repeat mode. • Switching the multi CD player being played or the disc switches to magazine repeat mode.
Disc Repeat	Play the same disc repeatedly. <ul style="list-style-type: none"> • Switching the multi-CD player being played or the disc switches to magazine repeat mode.
Magazine Repeat	Play all discs loaded in the magazine in the multi-play CD player repeatedly. All discs in the magazine are played repeatedly from the first disc.
ALL Repeat*	The mode changes to this mode when 2 or more multi-play CD players are connected. Multi-play CD players 1 to 4 are played.

* When 2 or more multi-play CD players are connected.

Each press of button ⑨ in bank [8] causes the mode to change as follows:

One-Track Repeat ("RPT" appears on the display [41] → Disc Repeat ("DISC" [39] appears.)

→ Magazine Repeat ("M-CD" [38] appears.) → ALL Repeat ([38] [39] [41] will disappear.)

- Each press of ⑨ of button [8] switches the mode on the built-in CD player as follows:

One track repeat ("RPT" appears on the display [41]) → normal playback ("RPT" disappears from the display [41]).

Random Play

The microcomputer of the CD player selects plays tracks on discs in random order.

Random play is performed according to the current play mode (repeat mode) as follows:

Play mode (repeat mode)	Tracks to be played at random
One-Track Repeat	All tracks on the disc being played • The play mode changes to disc repeat mode.
Disc Repeat	All tracks on the disc being played
Magazine Repeat	All tracks on the discs in the magazine being played
ALL Repeat*	All tracks on all discs in multi-play CD players 1 to 4

* When 2 or more multi-play CD players are connected.

- 1.Select the desired random play mode (repeat mode).
- 2.Hold down button ⑩ in bank [8] for more than 2 seconds. ("RDM" appears on the display [41].) To cancel random play, hold down button ⑩ in bank [8] for more than 2 seconds again. ("RDM" disappears.)
 - Since selections are played in random order, the same selection may be played twice in succession.

Using Scan Play

The first parts of each track are played in succession for about 10 seconds. This function is useful to search for the track or disc you want to listen to. Scan is performed according to the current play mode (repeat mode) as follows:

Play mode (repeat mode)	Tracks to be scanned and played
One-Track Repeat	All tracks on the disc being played <ul style="list-style-type: none"> • The play mode changes to disc repeat mode.
Disc Repeat	All tracks on the disc being played
Magazine Repeat	The first tracks of all the discs in the magazine being played
ALL Repeat*	First tracks of all discs loaded in multi-play CD players 1 to 4

* When 2 or more multi-play CD players are connected.

1. Select the desired scan play mode (repeat mode).
2. Press button ⑩ in band [8]. ("SCAN" appears on the display [41].) The first parts of all tracks are played in succession for about 10 seconds.
3. When you hear the track you want, press button ⑩ in bank [8] again to cancel Scan. ("SCAN" disappears.) The track (disc) being played is when played to the end.
 - The previous function automatically resumes when a piece of music with which Scan began returns.

ITS (Instant Track Selection)

This function lets you program and play the tracks you want. You can listen to just your favorite tracks.

The ITS function only operates when the multi-play CD player is in playback mode.

- The ADPS function* of the multi-play CD player lets you program up to 100 discs.
(Up to 100 discs can be programmed including disc title inputs.)

* ADPS: Automatic Disc Program Selection

- Up to 99 tracks can be programmed for a single disc.
- From the 100th disc, the data for a new disc will overwrite the data of the oldest disc, that has not been played back (information has not been updated).
- Tracks are programmed for each disc. Programmed tracks are not erased after the disc is changed.

Programming

1. Play the track you want to program.
 2. Press button ⑧ in bank [8] to program the track.
("ITS" appears on the display [41] for 3 seconds.)
- Program tracks while ITS play is not in progress. It is possible during scan play or random play.

ITS Play

Tracks are played according to ITS play mode (repeat mode) as follows:

Play mode (repeat mode)	Tracks to be played by ITS
One-Track Repeat	Programmed tracks on the disc being played <ul style="list-style-type: none">• The play mode changes to disc repeat mode.
Disc Repeat	Programmed tracks on the disc being played
Magazine Repeat	Programmed tracks on the discs in the magazine being played <ul style="list-style-type: none">• If the disc being played contains no programmed tracks, the next disc containing programmed tracks is played.
ALL Repeat*	Programmed tracks on all discs in all magazines in multi-play CD players 1 to 4 <ul style="list-style-type: none">• If the disc (multi-play CD) being played contains no programmed tracks, the next disc (multi-play CD) containing programmed tracks is played.

* When 2 or more multi-play CD players are connected.

1. Select the desired ITS play mode (repeat mode).
2. Hold down button ⑨ in bank [8] for more than 2 seconds. ("ITS.P" appears on the display [41].) To cancel ITS play, hold down button ⑨ in bank [8] for more than 2 seconds again. ("ITS.P" disappears.)
- When you play a disc that has no tracks programmed, "EMPTY" will appear on the display [41] for about 3 seconds, indicating that ITS play is not possible.
- Scan playback and random playback can be carried out during ITS playback, targeting tracks stored in memory.
(When playback mode is in magazine or ALL repeat mode, all tracks stored in magazine memory are targeted during scan playback.)
- During ITS playback, switching of the Multi-CD players, disc number search, track number search, random play, scan play and title display are only performed on the tracks stored in the ITS program. These functions are not valid for discs or tracks not stored in the program. When selecting such discs or tracks, cancel ITS playback.

Erasing the ITS Program

You can erase one or all selections of the program for the disc being played by ITS.

To erase a single selection:

1. Start ITS play.
2. Play the track you wish to erase by using disc number search or track number search.
3. Hold down button ⑧ in bank [8] for more than 2 seconds. ("CLEAR" appears on the display [41] for about 3 seconds.)

To erase the disc program:

1. Start normal play.
2. Play the disc you wish to erase by using disc number search.
3. Hold down button ⑧ in bank [8] for more than 2 seconds to erase the program.
("CLEAR" appears on the display [41] for about 3 seconds.)

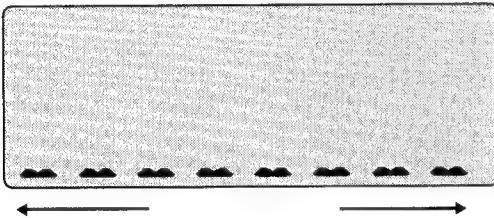
Disc Title Input

The title of the disc loaded in this unit and the title of the disc in the Multi-play CD player can be stored to the memory. The title stored for the disc can be displayed.

- This function is valid only when the Multi-play CD player is connected to this unit.
- The ADPS function* of the multi-play CD player lets you enter titles for up to 100 discs. (Up to 100 discs, including ITS, can be programmed.)
- * ADPS: Automatic Disc Program Selection
- A disc title can consist of up 8 characters for a single disc.
- From the 100th disc, the data for a new disc will overwrite the data of the oldest disc, that has not been played back (information has not been updated).
- One title is stored for each disc. The title stored for a disc is not erased after the disc is changed.

Entering Titles

1. Select the disc for which you want to enter a title.
2. Hold down button ⑦ in bank [8] for more than 2 seconds to select title input mode.
3. Press the (◀) or (▶) side of button [1] to select the input position. The input position moves continuously when you hold down either side of the button.



4. Select characters using the (+) or (-) side of button [1]. When you hold down either side of the button, the character changes continuously. Each press of the (+) side changes the character from "A → B → C...", while each press of the (-) side changes the character from "C → B → A". To enter a space, press the space sign (_).
5. Enter all characters by repeating steps 3 and 4.
Press button ⑦ in bank [8] to store them in memory.
The title will appear on the display.

Disc Title List

You can list all discs loaded in the magazine being played. This function is convenient for checking discs in the magazine being played.

The disc title list function only works when the multi-play CD player is in playback mode.

Each press of button ⑪ in bank [8] displays the titles of the discs in magazine being played in ascending order of disc number. The disc title is displayed for about 8 seconds, then the normal operation display returns.

- Nothing is displayed for discs having no titles.
- Trays with no discs are skipped.

Select the disc to be played from the disc list display

1. Press button ⑪ in bank [8] to display the disc title.
2. When the title of the disc you want to listen to is displayed, press button ⑦ in bank [8]. That disc is played.

Display Switching

Each press of button ⑦ in bank [8] switches the display [41] [42] between the elapsed play time and disc title.

Press button [5] during title indication to make the track display and playback time display appear for about 8 seconds.

Error Display

If there is a problem with CD playback, an error code will be displayed.

(Ex.: "ERROR-10")

If an error is displayed, refer to the table below to identify the problem. If the error is displayed even after corrective action is taken, contact your dealer or the nearest authorized PIONEER Service Station.

D: Display

C: Cause

T: Treatment

D: ERROR-00, 11, 12, 30

C: The disc is dirty.

T: Clean the disc.

D: ERROR-00, 11, 12, 30

C: The disc is scratched.

T: Replace the disc.

D: ERROR-00, 11, 12, 14

C: The disc is inserted with the label side down.

T: Insert the disc with the label side up.

D: ERROR-00, 14

C: An unrecorded CD-R is being used.

T: Check the disc.

D: ERROR-00, 80

C: An empty magazine is in the multi-play CD player.

T: Insert discs into the magazine.

D: Display

C: Cause

T: Treatment

D: ERROR-00, 10, 12, 50, 60, 70, A0

C: Electrical or mechanical fault.

T: Turn off the car's ignition and turn it back on again. Or change the source to another one and then change it back to CD.

D: HEAT

C: The CD player's internal temperature is high.

T: Wait until the CD player's internal temperature goes down.

- If an error other than the above is displayed, refer to the multi-play CD player's Owner's Manual.

Additional Functions

Parts Identification

[8] ⑪ Illumination

Switching Illumination Color

The illumination color can be set to amber or green.

- Turn the function ON.

Press ⑪ of button [8] for at least 2 seconds. Repeat this operation to switch between amber and green.

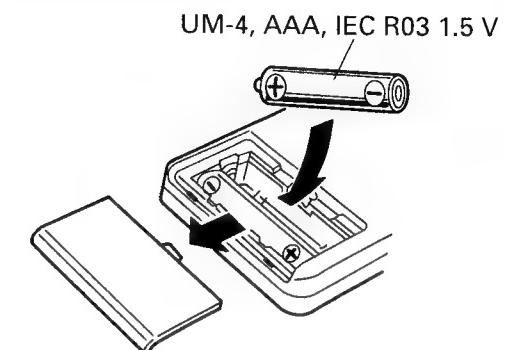
Regarding the Cellular Telephone Muting

When a call is received or placed with a cellular telephone, the cellular telephone muting will turn ON. When the phone is hung up, the muting will be canceled.

- The volume is reduced to a low level. (If the attenuator is ON, the volume will not be reduced.)
- "CALL" will be displayed.
- The audio operation can not be done except volume control.

Using the Remote Control

Loading Batteries



Precautions

- *Do not place the remote control unit in high temperatures or in direct sunlight.*
- *Install the batteries in the proper direction.*
- *Use only UM-4, AAA, or IEC R03 1.5 V batteries.*
- *Do not mix old and new batteries.*
- *The batteries provided with the unit are not rechargeable. Therefore do not recharge them.*
- *If the remote control unit is not to be used for more than a month, remove the batteries.*
- *If there is battery leakage, wipe the leakage completely and install new batteries.*

Note:

- Point the remote control unit to the main unit for remote control operations. Otherwise, remote control operation may not be executed.
- When the main unit is in direct sunlight, remote control operation might not be possible.

Common Functions for Tuner and CD**[12] Attenuator****[13] Learn**

Following the procedures below, the learn button on the remote controller can be used to perform the same operation as the button on the main unit.

1. Set to learn mode by pressing button [7] for at least 2 seconds. ("LEARN" will be displayed.)

- The learn mode will be canceled after about 8 seconds.

2. Press the button on the main unit that you want memorized on the remote controller.

- Learn function cannot be used for button [11].

[19] Volume**Tuner Functions****[14] Band****[15] BSM**

Hold down the button for at least two seconds to switch the BSM function ON and OFF.

[16] tuner power source

Press the button to switch the tuner power source ON and OFF.

[18] (◀) (▶) Seek tuning/Manual tuning

Press the buttons to select the station. Press button [1] on the main unit to switch between seek tuning and manual tuning (see "Listening to the radio") It is not possible to switch between seek and manual tuning using button [18].

[18] (▲) (▼) Preset Tuning

When this button is pressed, the stations stored under the buttons [8] [9] will be recalled in sequence.

CD Functions**[17] CD power source**

Pressing the button switches the power source in the following order
Built-in CD player → multi CD player → OFF

[18] (▲) (▼) Disc Number Search

Each time this button is pressed, the next disc in the multi-play CD player's magazine will be selected.

[18] (◀) (▶) Track Number Search

When this button is pressed, the track number will advance.

[18] Disc title input

When inputting disc titles, this functions in the same way as button [1] on the main unit (see "Disc title input").

Specifications

General

Power source.....	14.4 V DC (10.8 — 15.6 V allowable)
Grounding system	Negative type
Max. current consumption	10.0 A
Dimensions (chassis).....	178 (W) × 50 (H) × 150 (D) mm
(front face).....	188 (W) × 58 (H) × 20 (D) mm
Weight.....	1.5 kg

Amplifier

Max. power output.....	30 W × 4 (EIAJ)
Continuous power output.....	20 W × 4 (DIN 45324, +B=14.4 V)
Load impedance.....	4Ω (4 — 8Ω allowable)
Preout output level/ output impedance.....	500 mV/1 kΩ
Tone controls (bass).....	±12 dB (100 Hz)
(middle).....	±12 dB (1 kHz)
(treble).....	±12 dB (10 kHz)
Loudness contour	+10 dB (100 Hz), +6.5 dB (10 kHz) (volume: -30 dB)

CD player

System.....	Compact disc audio system
Usable discs.....	Compact disc
Signal format	Sampling frequency: 44.1 kHz Number of quantization bits: 16; linear
Frequency characteristics.....	5 — 20,000 Hz (±1 dB)
Signal-to-noise ratio	94 dB (1 kHz) (IEC-A network)
Dynamic range.....	90 dB (1 kHz)
Number of channels	2 (stereo)

FM tuner

Frequency range.....	87.5 — 108 MHz
Usable sensitivity.....	11 dBf (1.0µV/75Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity	16 dBf (1.7µV/75Ω, mono)
Signal-to-noise ratio.....	70 dB (IEC-A network)
Distortion	0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response.....	30 — 15,000 Hz (±3 dB)
Stereo separation	40 dB (at 65 dBf, 1 kHz)

MW tuner

Frequency range.....	531 — 1,602 kHz
Usable sensitivity	18µV (25 dB) (S/N: 20 dB)
Selectivity	50 dB (±9 kHz)

LW tuner

Frequency range	153 — 281 kHz
Usable sensitivity	30µV (30 dB) (S/N: 20 dB)
Selectivity	50 dB (±9 kHz)

Note:

Specifications and the design are subject to possible modification without notice due to improvements.

Precauzione

Nota:

- Il "Pioneer CarStereo-Pass" può essere utilizzato soltanto in Germania.
- Una etichetta "CLASS 1 LASER PRODUCT" è affissa sul fondo del lettore.



In caso di difficoltà

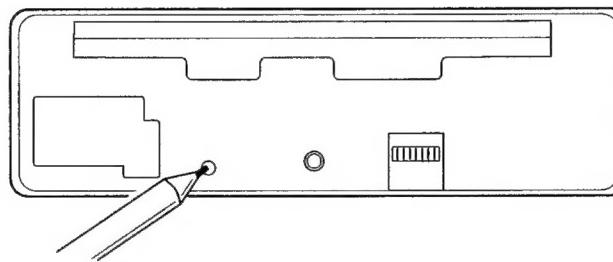
Se l'apparecchio non funziona correttamente, rivolgersi al rivenditore o ad un Centro Assistenza Autorizzato PIONEER.

Come utilizzare il tasto "Clear" (cancellazione)

Il microprocessore verrà ripristinato premendo il tasto "Clear". Premere il tasto "Clear" nei casi seguenti:

- Quando l'unità viene utilizzata per la prima volta dopo essere collegata.
- Quando c'è una operazione incorretta.
- Quando il display indica una operazione incorretta.

Rimuovere il pannello anteriore e utilizzare la punta di una matita, ecc., per premere il tasto "Clear". (Per rimuovere il pannello anteriore, vedi la sezione "Come rimuovere il pannello anteriore").



Come utilizzare il pannello anteriore amovibile

Identificazione delle parti

[9] ③ Tono di "bip" di avvertimento

[11] Rimuovere

Funzione

Per evitare ogni rischio di furto, il pannello anteriore è stato concepito in modo separabile. Inoltre, se il pannello anteriore non viene rimosso nei limiti di 5 secondi dopo aver interrotto il funzionamento del motore della macchina, un tono di "bip" di avvertimento verrà prodotto per segnalare al conducente che si deve rimuovere il pannello anteriore.

Come cancellare il Tono di "bip" di Avvertimento

Possibile annullare la funzione del tono di "bip" di avvertimento. Tenendo premuto ③ del tasto [9], girare su ON il comando di accensione motore.

Per riattivare la funzione del tono di "bip" di avvertimento, ripetere quest'operazione.

Technische gegevens

Algemeen

Voeding	14,4 V.gelijkspanning (toelaatbaar bereik: 10,8 — 15,6 V)
Aarde	Negatief
Maximum stroomverbruik	10,0 A
Afmetingen (uitwendig)	178 (B) x 50 (H) x 150 (D) mm
	(vooraanzicht)
Gewicht	1,5 kg

Versterker

Max. uitgangsvermogen	30 W × 4 (EIAJ)
Kontinuvermogen	20 W × 4 (DIN 45324, +B=14,4 V)
Belastingsimpedantie	4Ω (toelaatbaar bereik: 4 — 8 Ω)
Voorversterker-uitgangsnivo/ uitgangsimpedantie	500 mV/1 kΩ
Klankkleurregeling (lage tonen)	±12 dB (100 Hz)
	(middelste tonen).....±12 dB (1 kHz)
	(hoge tonen)±12 dB (10 kHz)
Loudness-bereik.....	+10 dB (100 Hz), +6,5 dB (10 kHz) (volume: -30 dB)

CD-speler

Systeem	Compact disc audio systeem
Te gebruiken discs	Compact discs
Signaal formaat	Bemonsteringsfrekquentie: 44,1 kHz Aantal kwantisatie bits: 16; lineair
Frekquentiebereik	5 — 20.000 Hz (± 1 dB)
Signaal/ruis-verhouding	94 dB (1 kHz) (IEC-A netwerk)
Dynamisch bereik	90 dB (1 kHz)
Aantal kanalen	2 (stereo)

FM-tuner

Afstembereik	87,5 — 108 MHz
Bruikbare gevoeligheid	11 dBf (1,0 μ V/75 Ω , mono S/R: 30 dB)
Gevoeligheid bij 50 dB demping	16 dBf (1,7 μ V/75 Ω , mono)
Signaal/ruis-verhouding	70 dB (IEC-A netwerk)
Vervorming	0,3% (bij 65 dBf, 1 kHz, stereo)
Frekwentiebereik	30 — 15.000 Hz (± 3 dB)
Stereoscheiding	40 dB (bij 65 dBf, 1 kHz)

MG-tuner

Afstembereik 531 — 1602 kHz
 Bruikbare gevoeligheid 18µV (25dB) (S/R: 20 dB)
 Selectiviteit 50 dB (± 9 kHz)

LG-tuner

Afstembereik 153 — 281 kHz
 Bruikbare gevoeligheid 30µV (30 dB) (S/R: 20 dB)
 Selektiviteit 50 dB (± 9 kHz)

Opmerking:

Opmerking:
Ontwerp en technische gegevens onder voorbehoud.

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